

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3423
CALIBRATION DATE: 10-Jun-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999914e-001

rtca1 = 1.600608e-006

rtca2 = -3.279768e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999930	0.9999930	0.0
4.4999	0.9999980	0.9999980	-0.0
15.0000	1.0000080	1.0000081	0.1
18.5000	1.0000100	1.0000098	-0.2
24.0000	1.0000110	1.0000110	-0.0
29.0000	1.0000100	1.0000103	0.3
32.5000	1.0000090	1.0000088	-0.2

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

